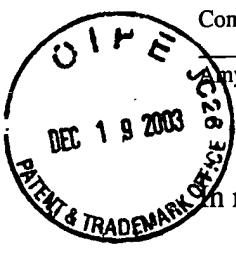


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Inventor:

Jade M. Kizer

Application No. **10/645,201**

Filed: **21 August 2003**

Title: **Periodic Interface Calibration for High Speed Communication**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Group Art Unit: *Unknown*

Examiner: *Unknown*

CUSTOMER NO. 38342

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

UNDER 37 C.F.R. §1.56

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO-SB/08. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. The exception to this, in accordance with the 05 August 2003 Official Gazette Notice in which the USPTO waives the requirement for submitting copies of U.S. Patent and Publications for cases filed after 30 June 2003, is that copies of U.S. Patent documents and copies of U.S. Patent publications are not being submitted.

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed before the mailing date of the first Office Action on the merits.

Fee Authorization. The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (RBUS 1305-1). A copy of this authorization is enclosed.

Respectfully submitted,

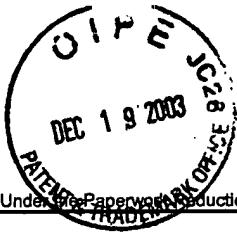
Date: 16 Dec 03

By: Mark A. Haynes

Mark A. Haynes, Reg. No. 30,846

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

C mplete if Known

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|----------------------|----------------|
| Application Number | 10/645,201 |
| Filing Date | 21 August 2003 |
| First Named Inventor | Jade M. Kizer |
| Art Unit: | Unknown |
| Examiner Name | Unknown |

Attorney Docket Number RBUS 1305-1

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| A1 | US-4,384,354 | | 05-17-1983 | Crawford et al. | |
| A2 | US-5,859,881 | | 01-12-1999 | Ferraiolo et al. | |
| A3 | US-6,047,346 | | 04-04-2000 | Lau et al. | |
| A4 | US-6,442,644 | | 08-27-2002 | Gustavson et al. | |
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| A6 | US-2002/0149824 A1 | | 10-17-2002 | Beaulieu et al. | |
| A7 | US-2003/0026399 A1 | | 02-06-2003 | Carlson | |
| | US- | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
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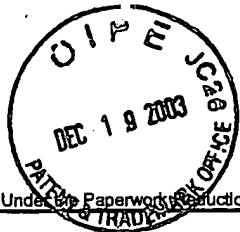
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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| | | | |
|----------------------|----------------|------------------------|-------------|
| Application Number | 10/645,201 | | |
| Filing Date | 21 August 2003 | | |
| First Named Inventor | Jade M. Kizer | | |
| Art Unit | Unknown | | |
| Examiner Name | Unknown | | |
| Sheet | 2 | of | 3 |
| | | Attorney Docket Number | RBUS 1305-1 |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| | C1 | SLDRAM Inc. "400 Mb/s/pin SDRAM" 4M x 18 SDRAM, July 9, 1998, pp. 1-69 | |
| | C2 | Peter Gillingham "SLDRAM Architectural and Functional Overview" August 29, 1997, pp. 1-14 | |
| | C3 | Peter Gillingham et al. "SLDRAM: High-Performance, Open-Standard Memory" IEEE November/December 1997, pp. 29-39 | |
| | C4 | Microprocessor and Microcomputer Standards Subcommittee of the IEEE Computer Society "Draft Standard for a High-Speed Memory Interface (SyncLink)" 1996 pp. 1-56 | |
| | C5 | Direct Rambus Short Channel Layout Guide August 2001, pp. 1-40 | |
| | C6 | Direct Rambus Long Channel Design Guide, 2000, pp. 1-45 | |
| | C7 | How to Measure RDRAM* System Clock Jitter, Intel June 1999, pp. 1-15 | |
| | C8 | Lluis Paris et al. "WP 24.3 A 800MB/s 72 Mb SDRAM with Digitally-Calibrated DLL" IEEE International Solid-State Circuits Conference 1999, pp 1-5 | |
| | C9 | Yasunobu Nakase et al. "Source-Synchronization and Timing Vernier Techniques for 1.2 GB/s SDRAM Interface" IEEE Journal of Solid-State Circuits, Vol. 34, No. 4, April 1999 | |
| | C10 | RDRAM Direct Rambus Clock Generator, April 2002, pp. 1-22 | |

| Examiner Signature | Date Considered |
|--------------------|-----------------|
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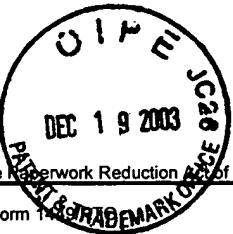
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PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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| <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p> | | <i>Complete if Known</i> | |
| | | Application Number | 10/645,201 |
| | | Filing Date | 21 August 2003 |
| | | First Named Inventor | Jade M. Kizer |
| | | Art Unit | Unknown |
| | | Examiner Name | Unknown |
| Sheet 3 | of 3 | Attorney Docket Number | RBUS 1305-1 |

NON PATENT LITERATURE DOCUMENTS

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
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